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PTO/SB/01 (12-97)  
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> (37 CFR 1.63)	<b>Attorney Docket Number</b>	Pha-1626
	<b>First Named Inventor</b>	Asp
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	09 /068,783
	<b>Filing Date</b>	22-Feb-1999
	<b>Group Art Unit</b>	1655
<input type="checkbox"/> Declaration Submitted with Initial Filing	<b>OR</b>	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)
<b>Examiner Name</b>		Johannsen, D.

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A Method of Sequencing

the specification of which (Title of the invention)

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) 02/22/1999 as United States Application Number or PCT International

Application Number 09/068,783 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
9504099-4	Sweden	11/16/1995	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
PCT/SE96/01464	11/13/1996	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number **22840** OR ☐ Registered practitioner(s) name/registration number listed below

Place Customer  
Number Bar Code  
Label here

Name	Registration Number	Name	Registration Number

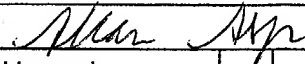
☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label **22840** OR ☐ Correspondence address below

Name			
Address			
Address			
City	State	ZIP	
Country	Telephone	Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])		Family Name or Surname	
Allan		Asp	
Inventor's Signature			Date
Residence: City	Uppsala	State	Country Sweden Citizenship SE
Post Office Address	Ramstalundsvägen 26		
Post Office Address			
City	Uppsala	State	ZIP SE-755 91 Country Sweden

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

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## DECLARATION

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Peder		Carstenius			
Inventor's Signature	<i>Peder Carstenius</i>			Date	01.01.16
Residence: City	Enskede	State	Country	Sweden	Citizenship
Post Office Address		Kistvägen 18			
Post Office Address					
City	Enskede	State	ZIP	SE-122 45	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Inventor's Signature				Date	
Residence: City		State	Country		Citizenship
Post Office Address					
Post Office Address					
City		State	ZIP		Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Inventor's Signature				Date	
Residence: City		State	Country		Citizenship
Post Office Address					
Post Office Address					
City		State	ZIP		Country

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# ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
Pha-1626

Whereas, I, Allan Asp of Ramstalundsvägen 26  
Uppsala Sweden SE-755 91, hereafter  
referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_  
A Method of Sequencing

☒ for which an application for a United States Patent was filed on February 22, 1999  
Application Number 09/ 068,783

☐ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, Amersham Pharmacia Biotech AB of Sweden herein referred to  
Björkgatan 30  
"assignee" whose mailing address is Uppsala Sweden S-751 84 is de-  
sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is ac-  
knowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign  
and transfer unto said assignee the full and exclusive right to the said invention in the United States and the  
entire right, title and interest in and to any and all Patents which may be granted therefor in the United States,  
I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States  
Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof;  
and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may  
be granted, as fully and entirely as the same would have been held by me had this assignment and sale not  
been made.

Executed this Wednes day of 17 January, 2001  
at Ramstalundsv 26 75591 Uppsala Sweden

Allan Asp  
(Signature)

State of \_\_\_\_\_ SS:

County of Uppsala

Before me personally appeared said \_\_\_\_\_

and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_\_\_.

Seal

(Notary Public)

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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)

Pha-1626

Whereas, I, Peder Carstenius of Kistvägen 18  
Enskede Sweden SE-122 45, hereafter  
referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_  
A Method of Sequencing

☒ for which an application for a United States Patent was filed on February 22, 1999,  
Application Number 09/ 068,783

☐ for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, Amersham Pharmacia Biotech AB of Sweden herein referred to  
Björkgatan 30  
"assignee" whose mailing address is Uppsala Sweden S-751 84 is de-

sirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is ac-  
knowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign  
and transfer unto said assignee the full and exclusive right to the said invention in the United States and the  
entire right, title and interest in and to any and all Patents which may be granted therefor in the United States,  
I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States  
Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof;  
and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may  
be granted, as fully and entirely as the same would have been held by me had this assignment and sale not  
been made.

Executed this 16th day of JANUARY, 20 01  
at STOCKHOLM, SWEDEN

Peder Carstenius  
(Signature)

State of \_\_\_\_\_) SS:

County of \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

Seal

(Notary Public)

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and Trademarks, Washington, DC 20231.

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Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 24, 2001

PTAS

AMERSHAM PHARMACIA BIOTECH, INC.  
ROYAL N. RONNING, JR.  
800 CENTENNIAL AVENUE  
PISCATAWAY, NJ 08855



\*101714784A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/04/2001

REEL/FRAME: 011774/0518  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ASP, ALLAN

DOC DATE: 01/17/2001

ASSIGNOR:

CARSTENIUS, PEDER

DOC DATE: 01/16/2001

ASSIGNEE:

AMERSHAM PHARMACIA BIOTECH AB  
BJORKGATAN 30  
UPPSALA, SWEDEN S-751 84

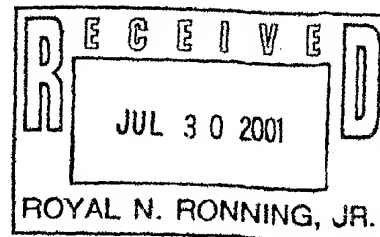
SERIAL NUMBER: 09068783

FILING DATE: 02/22/1999

PATENT NUMBER:

ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
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05-11-2001



101714784

Docket No.: Pha-1626

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please see the attached original documents or copy thereof.

1. Name of conveying party(ies):

Allan Asp  
Peder Carstenius

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: January 17, 2001

2. Name and address of receiving party(ies):

Name: Amersham Pharmacia Biotech AB

Internal Address: \_\_\_\_\_

Street Address: Björkgatan 30

Uppsala Sweden S-751 84

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/068,783

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Royal N. Ronning, Jr.

Internal Address: Amersham Pharmacia Biotech, Inc.

Street Address: 800 Centennial Avenue

City: Piscataway State: NJ ZIP: 08855

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☒ Authorized to be charged to deposit account

8. Deposit account number:

500-588

05/11/2001 AAMMED1 00000041 500588 09068783

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Royal N. Ronning, Jr.

Name of Person Signing

Signature

May 1, 2001

Date

Total number of pages including cover sheet, attachments, and document:

5